

Serving the Colorado
SAR Community
Since 1966



April-May 2013 Issue

May CSRB General Meeting

The May CSRB meeting will be Saturday May 4, 2013 – meeting will be at the fire station – 420 East Hopkins, Aspen
Mountain Rescue Aspen will be our hosts.

www.coloradosarboard.org/

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Your Newsletter is BACK!!

After a hiatus of several years while we looked for a new editor, I have decided to bring the newsletter back from the archives.

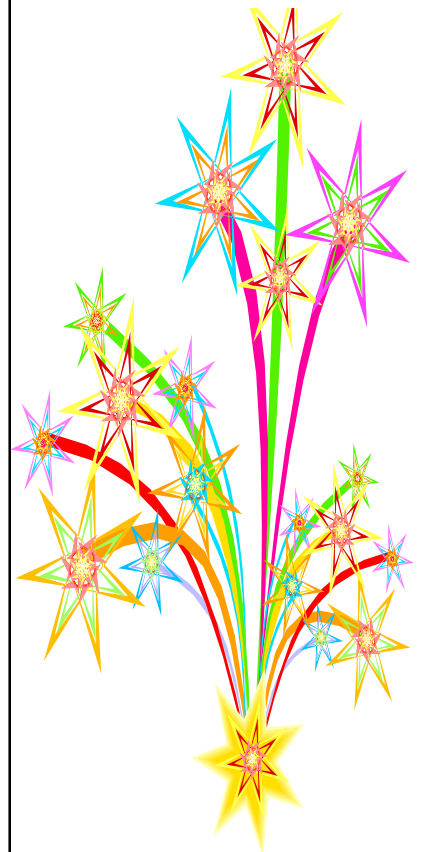
As such, I can't do this alone – I won't write the newsletter. I need articles from you folks out there. I would like to see updates from the Training folks, the State Coordinators group, comms, and any words from our Pres. But this newsletter is about all of you out there –the teams in the field. If you have an event or mission that would be of particular interest to the rest of SAR in CO, please do up a short write-up and send it to me. Some pictures would also be wonderful. Get your team out there! Any written information needs to be sent in editable format (Word would be preferred).

Your team CSRB rep or PIO would be a good resource to tap for ensuring team submissions are sent in. I will do up the newsletter every two months with expected output one month after the CSRB meeting. You can send stuff anytime, but know that I need to have it wrapped up on time. If the submission is late, it will have to wait until the next issue. I thank all of you in advance for helping put this together.

We can, once again, make your CSRB newsletter the voice for Search and Rescue in the state. Let's make this happen.

Dan Remsburg
CSRB Secretary

BTW—We will still gladly accept someone who wants to take over the newsletter! Let me know if you are interested.



NEWSLETTER

News, Notes, and other things...

2013 National Search & Rescue Conference

Pre-Conference Workshops - Monday-Wednesday, May 27-29
Federal & State SAR Coordinator's Meeting (Invitation Only)
- Tuesday & Wednesday, May 28-29
Exhibit Hall Open - Wednesday-Friday, May 29-31
Conference Dates - Thursday-Saturday, May 30-June 1



Pre Conference Workshops (separate forms and fees)

[NASAR's Search & Rescue Tracking Fundamentals Course](#) - Monday & Tuesday

[Canine - Training the Trailing Dog](#) - Tuesday & Wednesday

[Urban Search Train the Trainer Course](#) - Tuesday & Wednesday

[Endangered & Vulnerable Children & Adults](#) by Robert Koester - Wednesday

[NASAR Tracking Certification Exam \(BETA\)](#) - Wednesday ([Certification Criteria description for BETA Exam](#))

Hotel Information

[Sheraton Myrtle Beach Convention Center Hotel](#)

Room rate \$99 per night plus tax.



The 2013 MRA Conference main event will be held on June 7-9 at the Carefree Resort in Carefree, AZ, just north of Phoenix. We will also be hosting several popular events before and after the conference, so be sure to check the [event calendar](#) and [register for these special events](#).

Accommodations will be handled on-site by the Carefree Resort. To view more information, as well as alternative accommodations, visit the [Venue & Lodging](#) page.

We look forward to seeing you this June.

<http://mountainrescue.org/mracon/>

**Your
2013
CSRB
Directors**

Bruce	Fosdick	President/D
George	Janson	VP/D/MC
Dan	Remsburg	Sec/D/Newsletter
Mike	McDonald	Treas/D
Leonard	Ginther	D
Lanny	Grant	D
Dave	Hake	D
Mark	Rowland	D
Paul (Woody)	Woodward	D
Barry	Mitchell	D/State Coords
Mike	Smith	D
Kim	Veitch	D

CSRB Meeting Minutes
General Meeting – 02 March 2013
RMRG Facility
Boulder, CO

Meeting Opened at 1202 hrs.

Introductions

Thanks to Rocky Mountain Rescue Group for hosting the meeting. We have 3 people on call-in via the conference phone.

Secretary Minutes

Changes recommended to the January minutes. Changed location of the last meeting to "Alpine Rescue" and names of teams that provided proxies. They were: Grand County Sheriff (though the sheriff is considered an associate member and does not have voting privileges), Vail Mountain Rescue Group, Arapahoe Rescue Patrol, and Mountain Rescue Aspen. George Janson voted to approve the minutes with the changes, seconded by Mike Smith. Unanimous vote AYE.

Resources and State Coordinators

Barry Mitchell stated we had 12 calls with 5 responded incidents this year. New MOUs and MOA are being done up with OEM. Mike McDonald gave a presentation at the Emergency Managers Conference on Wednesday. The Joint Operations Center (JOC) is hosting National SAR School with the National Guard. 13-17 May in the Denver Area. CSRB was asked about doing a ATV presentation to a team in Canada. The coordinators need any updates on teams. The SAR annex to the CO Mobilization plan was re-written.

Standards

Mike McDonald reported. ASTM – some things are in draft but nothing new. Meeting coming up in May. FEMA put out some Urban SAR standards. Resource Mobilization Working Group – Approved a few renewal credentials and turned down some that came in too late. They need 10 days to 2 weeks prior to review date.

Legislation Updates

Howard Paul – HB1301 has been re-written. SB038 is going through (Team Confidentiality agreement)

CSRB Increased Awareness Program

Updates have been made to the CSRB members map on the website. We are always glad to accept some volunteer help. Don Davis talked about the website changes. PayPal set up for dues payments, etc. He will be sending out a proposal to the BOD. Talked about the info for getting onto the Google Docs page.

Operation Vigilant Guard

National Guard. Testing their own operational status 7/22-24/13. Will interface with local IMTs. Possible SAR involvement for a downed aircraft. South end of Rampart Range.

Training Report

Leonard Ginther – No MLSO scheduled yet. Archuleta is looking at something as is Garfield. Talked about putting the MLSO slides on the server. Discussed having an ELT class. Arapahoe is having an ELB class, both class and field. Barry Mitchell discussed the Speakers Bureau. Went over the new handout and classes that have been received. George Janson went to Hinsdale and Mineral. Had about 20 folks. Only 7 on the avy slope. Barry went to Jackson County on 1/26.

Organizational Reports

MRA – Voted down the Cave aspect for now. NASAR – Nominations for the State award has been submitted. Conference in Myrtle Beach this year. SARDOC – Lots of training being done. Doing a technical specialist training in Weld County.

FRRD – 7 handlers, new by-laws, new BOD structure
Trackers – RMT – discussed desire to hold intro classes for interested teams. Dan Remsburg, Dave Hake, and others are headed to Boise for a Train-the-Trainer event in March.
CAP – Currently grounded – just CO. UAF flying in Pinion Canyon area. Want CAP to provide aerial overlook during the UAF training.

SARCON

Plan for the last weekend in July. Costs about the same as last time. Discussed what classes to hold and who would teach them. Urgently need a commitment on instructors and classes. What can we offer that will attract more folks? March 15 is the deadline for input. Mark Rowland suggested splitting up the membership list and making calls to teams to get commitment and input.

SAR Fund

Bruce Fosdick – Grant letters are out. Due back to DOLA NLT 4/1/13. Meeting in May. Tier I and II under \$95,000. Medical helo discussion. Still not funding the medical transport as it is usually under medical insurance.

Communications

A new comms sheet was put out by Barry Mitchell. Encourage CSRB Ops1 for missions. Your radio can be remotely disabled if you "drag" the channel. State cannot continue to fund the 800DTR system maintenance. Best for all teams to keep VHF capability in their county comms plan. The state coordinators have access to a 'bridge' for 800 to/from VHF.

CSRB Long Range Plan

Thoughts on combining some director/coordinator meetings. Need two more of each this year. Bylaw changes needed and are in the works. Plan on having a Director's after the General meeting in May.

Mission Reports/Lessons Learned

Teller – interesting evidence search from clues found 5 years ago
LCSAR – 13 so far. Many standdowns.
CAP – Couple. Avys in MT.
Fremont – Getting calls earlier and for more things.
Douglas – Plenty of calls, but mostly standdown. More in town.
SARDOC – Getting K(SAR specialist more involved in planning.
FRRD – Nothing significant.
RMRG – 14 ytd. Climber calls. PLB had no homing or GPS signal on 121.5. Used HTs to track signal. Ended up being in an electronic recycling facility.
Garfield – Quiet so far but starting to pick up. Snowboarders, folks texting out locations.
Alpine – couple of avy calls. Guy spent the night out on Mt. Bierstadt

Discussion on some trends on suicides and recent missions. PTSD subjects. Collecting GPS track logs.

Meeting adjourned at 1450.

Respectfully Submitted
Dan Remsburg
CSRB Secretary

Next Meeting: Saturday, May 4th at Mountain Rescue Aspen..

Colorado Search and Rescue Board

Presents SARCON 2013

July 26-28, 2013 on the campus of Western State College in Gunnison, Colorado - registration will open Thursday evening July 25, 2013. Classes run from 8 am until dinner time Friday & Saturday. Sunday until Noon.

CSRB's SARCON 2013 will offer many opportunities for instruction. Some of the planned topics include:

**Technology in Search and Rescue –
Tips and tricks for responding to
PLB and SPOT calls**

Lost Person Behavior

Tracking

**Cellular Phone Data in Search Op-
erations**

Technical Rescue

Medical Training

Radio Direction Finding

SAR Applications for UAVs

**Military and Civilian Helicopter Re-
sources available to SAR**

Civil Air Patrol as a SAR Resource

More being developed

as we speak

**An Awards ceremony will be included
Sunday morning along with a panel
discussion about search and rescue
in Colorado**

Costs and Packages

**REGISTRATION, SINGLE DORM WITH
MEALS: \$270**

**Single in newly remodeled Ute
Dormitory**

**REGISTRATION, SHARED DORM WITH
MEALS: \$215 EACH**

**Double in newly remodeled Ute
Dormitory**

**REGISTRATION, ON CAMPUS CAMPING
WITH MEALS:\$140**

**Includes Bathroom Facilities and
all classes and events**

**REGISTRATION, ON CAMPUS CAMPING
(NO MEALS): \$100**

**Includes Bathroom Facilities and
all classes and events**

REGISTRATION ONLY: \$70

Includes all classes and events

**\$15 TUITION DISCOUNT FOR ALL CSRB
MEMBERS –**

Team or Individual!

**All registrations should be received by
7/1/13 - late registrations will be as-
sessed a \$15 late fee**

**If costs are a problem - CSRB has a
couple of scholarships available
through the Peter Peelgraine funds - for
information contact Presi-
dent@ColoradoSARBoard.org**

**Remember that this is YOUR SAR con-
ference! If there is a class you would
like to see (or offer), please let us
know!**

**Registration forms out soon. Ques-
tions? E-mail the organizers at Presi-
dent@Coloradosarboard.org**

A Summary of the CSRB MOU with Colorado Office of Emergency Management, and the Role of the State SAR Coordinators

The Colorado Search and Rescue Board (CSRB) has had a long standing agreement with the Colorado Office of Emergency Management (COEM) concerning state-level ground search and rescue (SAR) activities. This agreement, originally drafted in the late 70's and revised several times since then (latest Jan 2011), is documented in a Memorandum of Understanding (MOU)..

The MOU establishes a relationship between the Colorado Office of Emergency Management (COEM) and the Colorado Search and Rescue Board (CSRB) and identifies responsibilities pertaining to search and rescue activities within and outside Colorado, facilitates the establishment of a viable SAR system in Colorado, and recognizes the legitimate role of CSRB in the state SAR organizational structure. It covers activities related to routine preparedness, and both smaller and major emergency and disaster operations.

COEM's responsibilities include:

Assisting in the coordination of state/federal resources in support of SAR operations managed or supported by CSRB committed resources

Monitoring, facilitating, and promoting state ASR program activities
Credentialing state search and rescue coordinators appointed by CSRB

Approving inter-state SAR mutual aid agreements

Approving inter-state SAR mutual aid requests that require expenditure of funds (when and as recommended by CSRB)

Providing liability protection in accordance with the Disaster Emergency Act to CSRB, its directors, state SAR coordinators, and members of organized SAR units called by the state SAR coordinator to participate in SAR missions.

Identify appropriate responsibilities for CSRB resources in national security emergency operations.

CSRB's responsibilities include:

Maintaining a state rapid response capability to address SAR requirements.

Providing overhead management teams using ICS for the management of SAR operations when requested by the agency having jurisdiction (AHJ).

Developing and conducting training for ground SAR operations in Colorado

Taking the lead in recruiting, training, and integrating volunteer search and rescue groups into the state SAR system/structure.

Participating in the development of standards for certification of SAR members and teams.

Maintaining current resource files of search and rescue organizations and personnel.

Developing criteria for and appointing state search and rescue coordinators.

Maintaining a 24 hr point of contact (for advice and mutual aid requests) on ground SAR incidents statewide.

Maintaining statistical records concerning ground SAR activities in which CSRB was involved.

Acting as the lead agency for ESF-9 (SAR annex to State Emergency Plan)

Providing SAR resources to assist in SAR operations involved in the aftermath of a Major Disaster.

Coordinating volunteer search and rescue resources in support of COEM in State Declared Disasters.

Assisting CDEM in determining responsibilities that should be assigned to CSRB in national security emergency operations.

CSRB State SAR Coordinators, appointed by CSRB and approved by COEM as described above, are available by calling the 24 hr contact number (800-593-2772). They can provide advice or assistance in securing SAR mutual aid resources (federal, state, or local) related to ongoing SAR missions as requested by the Agency Having Jurisdiction (AHJ) (typically the County Sheriff), and they act on his behalf. They have authority to interact with the Air Force Rescue Coordination Center (AFRCC) to request and coordinate use of Federal SAR assets and to assist in resolving conflicting resource requests. If requested, the state SAR coordinator will call adjacent jurisdictions to fulfill AHJ requested resource requests. When operationally deployed, state SAR coordinators serve as the COEM state liaison for the ground SAR operation they are involved in. In this deployed role, the state SAR coordinator is considered a member of the COEM staff and represents the State of Colorado in his role of coordinating ground SAR activities in support of the County Sheriff. When deployed, state SAR coordinators may serve as the Incident Commander or other member of the overhead team overseeing the incident if requested to do so by the County Sheriff in whose jurisdiction the operation is taking place.

According to the State of Colorado Memorandum of Agreement with the Air Force Rescue Coordination Center (AFRCC), County Sheriffs, who have direct responsibility (according to Colorado state statute) for ground SAR operations within their respective counties, can also interact directly with the AFRCC to request federal assets (such as helicopters). The Colorado/AFRCC agreement requires AFRCC to notify the state SAR coordinator when this occurs so that they have situational awareness of ongoing SAR incidents in Colorado. In some instances, when this occurs, the state coordinator may make a courtesy call to the AHJ to see if they can be of further assistance.

SARCON 2013

The annual summer search and rescue conference SARCON has been in the planning stages for several months. The program is planned to kick-off with check-in on Thursday night July 25, 2013 at the campus of Western State Colorado University (formerly Western State College) in Gunnison, Colorado. The programs began Friday morning July 26 and run through early Sunday afternoon July 28th.

Lodging will be in the dorms, you can camp on campus or there are near-by motels. We hope for a good conference and hope to see everyone there. Registration flyers will come out in early May. Instructors from all over the state have volunteered to help with the conference. Please see the attached 2-page announcement in this newsletter and hope to see you in Gunnison.

If you would like to be a presenter, we still have a couple available slots. Please contact Bruce Fosdick - mailto:b_fos@msn.com, B_fos@msn.com or President@ColoradoSARBoard.com



CSRB Offers Short Classes Suitable for Evening Training Sessions

CSRB is pleased to announce some training offerings suitable for 1-3 hr evening SAR team training sessions. These short classes have been developed by the authors for presentations to sheriffs, state SAR conferences, and local teams, and they are considered to have a certain amount of “universal appeal”, meaning that they may be useful to share with a wider audience.

We call these classes collectively “Speaker’s Bureau classes”, and we would like to encourage all SAR teams and individuals to share some of their favorite trainings with other teams using this media.

Here’s how we think this might work.

-Teams wishing to host one or more of these classes simply contact the author and/or presenter(s) directly by phone or email to arrange for a class. Hopefully, teams will offer to pay any presenter expenses, but that may not always be required.

-Presenters are expected to provide a professional POWERPOINT presentation and to provide handouts to class attendees.

-Anyone wishing to be added to the Speaker’s Bureau list and offer a class should submit a brief summary in the format below.

Classes Proposed so far:

Title: Wilderness SAR Responsibilities, SAR Management, and Resources/Capabilities

Instructor: Barry Mitchell, Douglas County SAR
State SAR Coordinator

Contact Info: Phone: 303-841-6510
Email: N0KV@earthlink.net (2nd char is number zero)

Duration: 1.0 – 2.0 hrs

Summary: This class provides a high level perspective of state and county wilderness SAR responsibilities, ground SAR management, and ground SAR resources used in Colorado, and has been given to Sheriffs and deputy sheriffs at their training academies and to Colorado Office of Emergency Management personnel over the past few years. Sheriff’s responsibilities for ground SAR are explained. The SAR responsibilities outlined in the memorandums of agreements between (1) Colorado and the Air Force Rescue Coordination Center (AFRCC), and (2) the Colorado Office of Emergency Management and the Colorado Search and Rescue Board are presented. Commonly accepted ground SAR management practices are summarized. If time permits, SAR resource types and generic qualifications for those resources are discussed. If the resource discussion is included, 2 hrs should be allocated.

Title: Search Strategy and Tactics for Field Personnel

Instructor: Barry Mitchell, Douglas County SAR
State SAR Coordinator

Contact Info: Phone: 303-841-6510
Email: N0KV@earthlink.net (2nd char is number zero)

Duration: 1.5 hrs

Summary: This class is intended for individuals not generally familiar with basic lost person search strategy & tactics or for individuals desiring a review of those fundamentals. The class provides an overview of the methods commonly accepted and used in Colorado by ground searchers for searching for lost persons from the field search team member’s perspective. It briefly summarizes overhead personnel responsibilities and then discusses several types of field search tactics (confinement, attraction, hasty search, canine search, tracking) in some detail. Strategies and the order of applying these resources are discussed. Some guidelines for skillful searching are presented. Field team briefing and debriefing expectations are discussed.

Title: VHF and 800 MHz Search & Rescue Communications Fundamentals

Instructor: Barry Mitchell, Douglas County SAR
Senior State SAR Coordinator, 303-841-6510

Duration: 1.0 Hr

Contact Info: Phone: 303-841-6510
Email: N0KV@earthlink.net (2nd char is number zero)

Summary: The class is a beginner level introduction to the VHF conventional and 800 MHz digital trunked and conventional radio communications used in ground search and rescue. The advantages and disadvantages of each type of communications are reviewed. Propagation fundamentals are briefly discussed. The basics of simplex, conventional analog repeater, and trunked repeater operation are reviewed. Includes hands-on radio familiarization and use. Commonly used SAR frequencies and 800 MHz talk groups and their uses are discussed. Local channelization plans for VHF and 800 MHz SAR radios can be reviewed, and recommendations can be made, if desired. Hands-on familiarization with specific radios can be included, if needed.

Title: Use of ATV's in Ground Search and Rescue Operations
Instructor: Barry Mitchell, Douglas County SAR
Senior State SAR Coordinator, 303-841-6510
Duration: 2.5 Hrs
Contact Info: Phone: 303-841-6510
Email: N0KV@earthlink.net (2nd char is number zero)
Summary: The class is an introduction to the use of All Terrain Vehicles (ATV's) in ground search and rescue operations. Rider search skills and ATV driving skills, personal safety requirements, and unique ATV SAR equipment are reviewed. Effective search techniques using ATV's are discussed.

Title: An Overview of Locator Beacons and Beacon Tracking Methods
Instructor(s): George Janson, Larimer County SAR: 970-482-2618, georgej@uvb.nrel.colostate.edu
and Civil Air Patrol
Leonard Ginther, Civil Air Patrol: 303-426-4955, l.l.ginther@att.net
Barry Mitchell, Douglas County SAR: 303-841-6510, N0KV@earthlink.net
Duration: 2.5 Hrs (without case histories); case histories – add 1.5 hrs
Contact Info: contact any of the instructors above
Summary: This class discusses the various types of locator beacons encountered in ground search and rescue (SAR): Emergency Locator Beacons (ELTs) used by aircraft, Emergency Position Indicating Radio Beacons (EPIRB's) used by boats, and three types of Personal Locator Beacons (PLB's, Spot and TracMe). A brief history of ELTs is presented followed by detailed descriptions of the monitoring/tracking systems. Case histories are also presented. The Colorado Lifetrack system, used to locate elderly persons and at risk children, may also be discussed.

Title: Introduction To Tracking
Instructor: David Hake, Larimer County SAR and Rocky Mountain Trackers and various others within Rocky Mountain Trackers (RMT)
Contact Info: Phone 970-691-1839
Email: davidhake79@gmail.com
Duration: 2 hours classroom with options of a short 3-4 hour field for a weekend class.
Summary: Learn how tracking can focus search efforts to minimize time and resources. Help you recognize the tracks your eyes already see. How a tracking team operates. What RMT can provide for your search efforts. How your members can become trackers and help grow the family of trackers around the state.

Title: Introduction to Snow Tracking
Instructor: David Hake and Doug Grimm, Larimer County SAR and Rocky Mountain Trackers and various others within Rocky Mountain Trackers (RMT)
Contact Info: Phone 970-691-1839
Email: davidhake79@gmail.com
Duration: 2 hours classroom
Summary: Tracking in snow is easy, but what if the tracks get covered up with new or wind blown snow? Can you still find and follow them? Can you get detailed information about them to prove they're your subjects? Can you determine the direction of travel for ski tracks that you come across?. How old are the tracks? You will learn all this and more to help with winter searches within your area.

Title: Improving Wilderness Search & Rescue Effectiveness with Geospatial Technologies
Instructor: Loren Pfau, Alpine Rescue Team
Contact Info: Phone: 720-244-4365
Email: lorenpfau@gmail.com
Duration: 1.0 – 2.0 hours dependent upon topics of interest to the particular audience
Summary: In the recent past geospatial data available to wilderness SAR teams conducting searches were limited to physical clues and RP knowledge of the missing subject's plans. But now teams have access to an ever-increasing types and volumes of electronic geospatial information that have the potential to improve the results of back-country search operations. These include information from sources such as e911, SPOT, InReach and emerging sources such as geotagged photos and social media. The challenges facing SAR teams lie in understanding what information is available; how it may be accessed and managed; relative strengths and weaknesses; how it may be used in a time-sensitive situation; and how to use this information for post-event analysis and training. This session will discuss new sources of geospatial information that may be encountered and used in the context of wilderness SAR missions, explain how the information may be accessed, and provide guidance on how to integrate these new information sources into mission management and training processes.



P.O. Box 631452
 Highlands Ranch, CO 80163

Upcoming Calendar of Events

First Responder Appreciation	5/1	CO State Capitol
May CSRB Meeting	5/4	Aspen, CO
NASAR Conference	5/30-6/1	Myrtle Beach, SC
JHPTS Tracking Class	6/7-9	Lusk, WY
2013 MRA Conference	6/7-9	Carefree, AZ
CSRB SARCON	7/26-28	Gunnison, CO

Remember to attend the upcoming CSRB meetings being hosted across the state!

It is a great opportunity to get out and meet fellow SAR folks!

Remember to send newsletter articles to: "n0vsx@ccvnet.net". Mail to: Dan Remsburg, 1978 High Chateau Rd., Florissant, CO 80816. Do you have a great SAR photo? Any photos submitted can be scanned and returned. Of course, digital photos will work best.